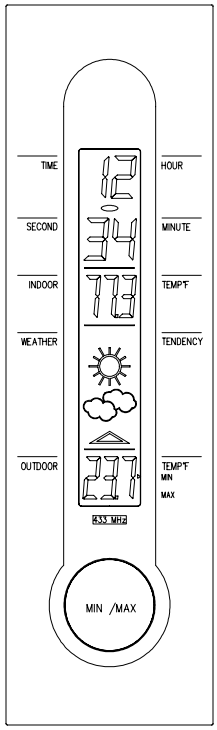
WS-7044U
Wireless 433 MHz
Miniature Wood Weather Station

Instruction Manual



LA CROSSE TECHNOLOGY

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INVENTORY OF CONTENTS

1. WS-7044U—Weather Station.
2. TX2U—Remote Temperature Sensor.
3. Three each, ½” Philips screws.
4. One strip double-sided adhesive tape.
5. Instruction manual & Warranty card.

ADDITIONAL EQUIPMENT

1. Four fresh AAA 1.5V batteries.
2. One Philips screwdriver.

QUICK SET-UP GUIDE

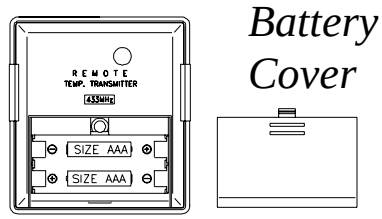
1. Insert two AAA batteries into each unit.
2. Wait 10 minutes to ensure transmission reception.
3. Set the time.
4. Mount units in desired locations.

DETAILED SET-UP GUIDE

I. BATTERY INSTALLATION

A. REMOTE TEMPERATURE SENSOR

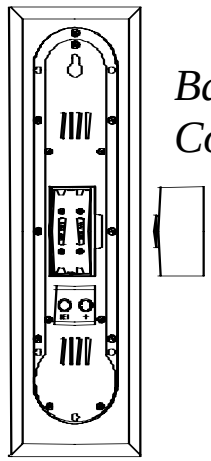
1. Remove the battery cover. Place your thumb over the two air-vent slots on the face of the Remote Temperature Sensor, push down gently, slide battery cover down and off.



Battery Cover

2. Observing the correct polarity, install 2 AAA batteries. The batteries will fit tightly (to avoid start-up problems make sure that they do not spring free during installation).
3. Replace the battery cover.

B. WEATHER TEMPERATURE STATION



1. Remove the battery cover. Pull up and out from the slot located in the central position of the battery cover.
2. Observing the correct polarity, install 2 AAA batteries. The batteries will fit tightly (to avoid start-up problems make sure that they do not spring free during installation).
3. Replace the battery cover.

Note: *After the batteries have been installed into the Weather Temperature Station the LCD segments should light up. Also within 3 minutes, the Outdoor Temperature should be displayed in the OUTDOOR LCD. If any of this does not occur, remove all batteries*

and install them again—carefully observing the polarity.

C. LOW-BATTERY & BATTERY REPLACEMENT FEATURES

When the batteries become weak in the Weather Temperature Station, a low battery indicator (shaped as a battery) appears in the LCD screen between the Hour display and the Minute display. When you replace the batteries in the Weather Temperature Station, the LCD screen will continue to display its stored information for 20 seconds. This means that if you can install the new batteries within this 20-second time period you do not need to program the Station again.

II. TIME

A. THE TIME DISPLAY

The time is displayed vertically (with the hour displayed above the minutes) rather than in the conventional horizontal format. The hour and minute displays are separated by a flashing dot, which indicates the seconds. The time is only displayed in the 12h mode, there is no 24h option.

B. SETTING THE TIME

Note: *The "SET" and the "+" buttons are located on the backside of the Weather Temperature Station, and are labeled accordingly. If no buttons are pressed within 10 seconds of pressing the "SET" button, the Weather Temperature Station will return to its normal time display.*

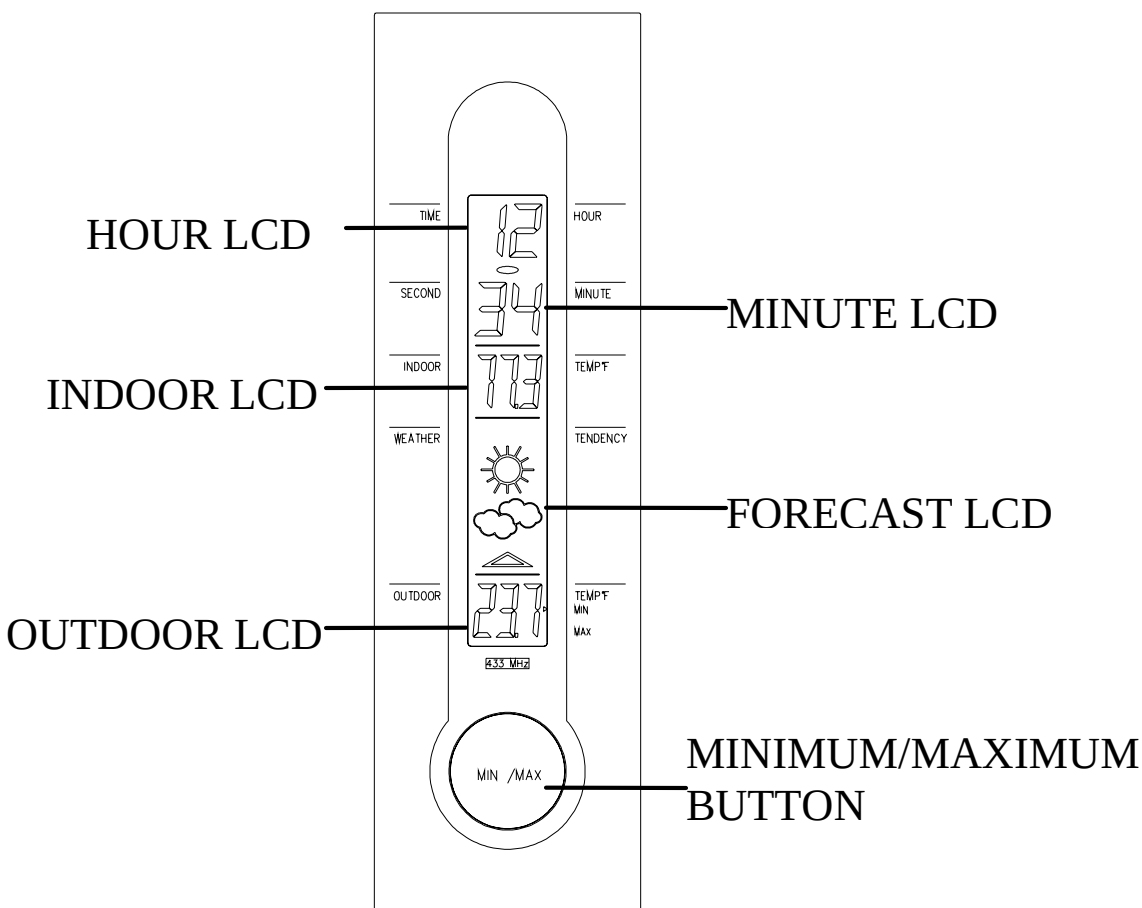
1. Press the *SET* button. The hour digit in

the HOUR LCD will flash. Press the + button (repeatedly) until you reach your desired hour.

2. Press the *SET* button a second time. The minute digit in the MINUTE LCD will flash. Press the + button (repeatedly) until you reach your desired minute.
3. Press the *SET* button again to confirm settings, and to return to the normal time display.

FEATURES

Note: *All temperatures are read in ℉, there is no option to read the temperature in ℃.*



I. INDOOR TEMPERATURE

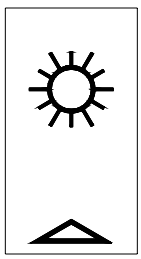
The Weather Temperature Station monitors the temperature within its immediate proximity, and displays this temperature in the INDOOR LCD. The temperature is monitored as soon as the batteries are installed.

II. WEATHER FORECAST

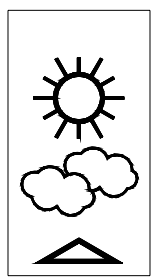
The weather forecasting feature is estimated to be 75% accurate. The weather forecast is based solely upon the change of air pressure over time. The WS-7044U averages past air-pressure readings to provide an accurate forecast—causing a necessity to disregard all weather forecasting for 12-24 hours after the unit has been set-up, reset, or moved from one altitude to another (i.e. from one floor of a building to another). In areas where the weather is not affected by the change of air pressure, this feature will be less accurate.

A. WEATHER ICONS

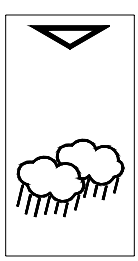
There are 3 possible weather icons that will be displayed in the FORECAST LCD:



Sunny—indicates that the weather is expected to improve (not that the weather will be sunny).



Sun with Clouds—indicates that the weather is expected to be fair (not that the weather will be sunny with clouds).



Clouds with Rain—indicates that the weather is expected to get worse (not that the weather will be rainy).

The weather icons change when the unit detects a change in air pressure. The icons

change in order from: “sunny” to “sun with clouds” to “clouds with rain,” or the reverse. It will not change from “sunny” directly to “rainy,” although it is possible for the change to occur quickly. If the symbols do not change then the weather has not changed, or the change has been too slow and gradual to register.

B. WEATHER TENDENCY ARROWS

Other possible displays in the FORECAST LCD are 2 weather tendency arrows, one that points up (under the forecast icons) and one that points down (above the forecast icons). These arrows reflect current changes in the air pressure. An arrow pointing up indicates that the air pressure is increasing and the weather is expected to improve or remain good, an arrow pointing down indicates that the air pressure is decreasing and the weather is expected to become worse or remain poor. No arrow means the pressure is stable.

III. OUTDOOR TEMPERATURE—WITH MINIMUM & MAXIMUM FEATURE

The Weather Temperature Station receives the outdoor temperature from the Remote Temperature Sensor, and the temperature appears in the OUTDOOR LCD. The Remote Temperature Sensor makes a temperature update every 1 minute, and transmits a new temperature to the Weather Temperature Station 3 times every 10 minutes. The Weather Temperature Station also keeps a record of the Minimum and Maximum temperatures it has recorded.

A. VIEWING THE MINIMUM/MAXIMUM TEMPERATURES

1. Press the circular *MIN/MAX* button (under all LCD displays) once. An arrow will appear and point to the “MIN” that is printed in the right-hand margin. The minimum-recorded temperature will display in the OUDOOR LCD.
2. Press the *MIN/MAX* a second time and the arrow will shift to point to the “MAX” that is printed in the right-hand margin. The maximum-recorded temperature is now displayed in the OUTDOOR LCD.
3. Press the *MIN/MAX* a third time, and the OUTDOOR LCD returns to display the current outdoor temperature.

B. RESETTING THE MINIMUM/MAXIMUM TEMPERATURE

1. Press and hold the *MIN/MAX* button for 3 seconds. This will reset all records to the current outdoor temperature.

MOUNTING

Note: *Extreme and sudden changes in temperature will decrease the accuracy of the Weather Temperature Station, and changes in elevation will result with inaccurate weather forecasting for the next 12 to 24 hours. These changes will require a 12 to 24 hour wait before obtaining reliable data. To achieve a true temperature reading, avoid mounting where direct sunlight can reach the Remote Temperature Sensor. We recommend that you mount the Remote Temperature Sensor on a North-facing wall. The sending range is 80ft (25m)—obstacles such as walls, concrete, and large metal objects can reduce the range. Place both units in their*

desired location, and wait approximately 10 minutes before permanently mounting to ensure that there is proper reception. The Weather Temperature Station should display a temperature in the OUTDOOR LCD within 3 minutes of setting-up.

I. THE REMOTE TEMPERATURE SENSOR

The Remote Temperature Sensor can be mounted in two ways:

- with the use of screws, or
- using the adhesive tape.

A. MOUNTING WITH SCREWS

1. Remove the mounting bracket from the Remote Temperature Sensor. The bracket should snap off easily.
2. Place the mounting bracket over the desired location. Through the three screw holes of the bracket, mark the mounting surface with a pencil.
3. Where marked, start the screw holes

into the mounting surface.

4. Screw mounting bracket onto the mounting surface. Ensure that the screws are flush with the bracket.
5. Snap the Remote Temperature Sensor onto the mounted bracket.

B. MOUNTING WITH ADHESIVE TAPE

1. With a nonabrasive solution, clean and dry the back of the mounting bracket and the mounting surface to ensure a secure hold. The mounting surface should be smooth and flat.
2. Remove the protective strip from one side of the tape. Adhere the tape to the designated area on the back of the mounting bracket.
3. Remove the protective strip from the other side of the tape. Position the Remote Temperature Sensor in the desired location, ensuring that the Weather Temperature Station can receive the signal.

II. THE WEATHER STATION

The Weather Station can be mounted on the wall with the use of a wall hanging screw (not included).

A. WALL MOUNTING

1. Place a screw (not included) into an appropriate wall, leaving approximately 3/16 of an inch (5mm) extended from the wall.
2. Place the Weather Station onto the screw using the hanging hole on the backside. Gently pull the Station down to lock the screw into place.

TROUBLESHOOTING

Problem: No outdoor temperature is displayed.
Solution: 1) Remove all batteries—wait 30 seconds—then reinsert into sensor first, then into the station.

2) Place sensor closer to station.
3) Be sure there are no obstructing objects.
4) Be sure all batteries are fresh.

Problem: The LCD screens are faint/dim.
Solution: Replace batteries.

Note: *For problems not solved, please contact La Crosse Technology.*

MAINTENANCE AND CARE INSTRUCTIONS

- Extreme and sudden temperature changes, vibration, and shock should be avoided to prevent damage to the units.
- Clean displays and units with a soft, damp cloth. Do not use solvents or scouring agents; they may mark the displays and casings.
- Do not submerge in water.
- Immediately remove all low powered batteries to avoid leakage and damage.
- Opening the casings invalidates the warranty. Do not try to repair the unit. Contact La Crosse Technology for repairs.

SPECIFICATIONS

Temperature measuring range	
Indoor:	32°F to 104°F with 0.2°F resolution: (0°C to 40°C with 0.1°C resolution). “OFL” displayed if outside this range.
Outdoor:	-21.9°F to 157.9°F with 0.2°F resolution: (-29.9°C to 69.9°C with 0.1°C resolution). “OFL” displayed if outside this range.
Temperature checking intervals	
Indoor:	Every 10 seconds.
Outdoor:	3 times every 10 minutes.
Transmitting frequency:	433.92 MHz
Temperature transmitting range:	Maximum 80ft (25m): in open space and free from interference.

Power Source	
Weather Station:	2 x AAA, 1.5V (IEC LR3)
Sensor:	2 x AAA, 1.5V (IEC LR3)
Dimensions (L x W x H)	
Weather Station:	2.95 x 0.83 x 10in. (75 x 21 x 255mm)
Sensor:	2.32 x 0.83 x 2.56in. (59 x 21 x 65mm)

WARRANTY INFORMATION

La Crosse Technology, Ltd provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased and used in North America and only to the original purchaser of this product. To receive warranty service, the purchaser must contact La Crosse Technology, Ltd for problem determination and service procedures. Warranty service can only be performed by a La Crosse Technology, Ltd authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to La Crosse Technology, Ltd or La Crosse Technology, Ltd's authorized service center.

La Crosse Technology, Ltd will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of La Crosse Technology, Ltd and must be returned to La Crosse Technology, Ltd. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer. La Crosse Technology, Ltd will pay all expenses for labor and materials for all repairs covered by this warranty. If necessary repairs are not covered by this warranty, or if a product is examined which is not in need or repair, you will be charged for the repairs or examination. The owner must pay any shipping charges incurred in getting your La Crosse Technology, Ltd product to a La Crosse Technology, Ltd authorized service center. La Crosse Technology, Ltd will pay ground return shipping charges to the owner of the product to a USA address only.

Your La Crosse Technology, Ltd warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (including the lack of reasonable and necessary maintenance); (2) damage occurring during shipment (claims must be presented to the carrier); (3) damage to, or deterioration of, any accessory or decorative surface; (4) damage resulting from failure to follow instructions contained in your owner's manual; (5) damage resulting from the performance of repairs or alterations by someone other than an authorized La Crosse

Technology, Ltd authorized service center; (6) units used for other than home use (7) applications and uses that this product was not intended or (8) the products inability to receive a signal due to any source of interference.. This warranty covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller or performance variations resulting from installation-related circumstances.

LA CROSSE TECHNOLOGY, LTD WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS PRODUCT. THIS PRODUCT IS NOT TO BE USED FOR MEDICAL PURPOSES OR FOR PUBLIC INFORMATION. THIS PRODUCT IS NOT A TOY. KEEP OUT OF CHILDREN'S REACH.

This warranty gives you specific legal rights. You may also have other rights specific to your State. Some States do no allow the exclusion of consequential or incidental damages therefore the above exclusion of limitation may not apply to you.

For warranty work, technical support, or information contact:

La Crosse Technology
2809 Losey Blvd. S.

La Crosse, WI 54601
Phone: 608.782.1610
Fax: 608.796.1020

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support@lacrossetechnology.com

(warranty work)

sales@lacrossetechnology.com

(information on other products)

web:

www.lacrossetechnology.com

FCC ID: OMO-01RX (WEATHER STATION)
OMO-01TX (SENSOR)

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

1. **THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND**
2. **THIS DEVICE MUST ACCEPT INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.**